

Cotransfection of 293Cre cells with pBHGlox $\Delta$ E1,3 and a "Lox" shuttle plasmid for generation of Ad expression vectors

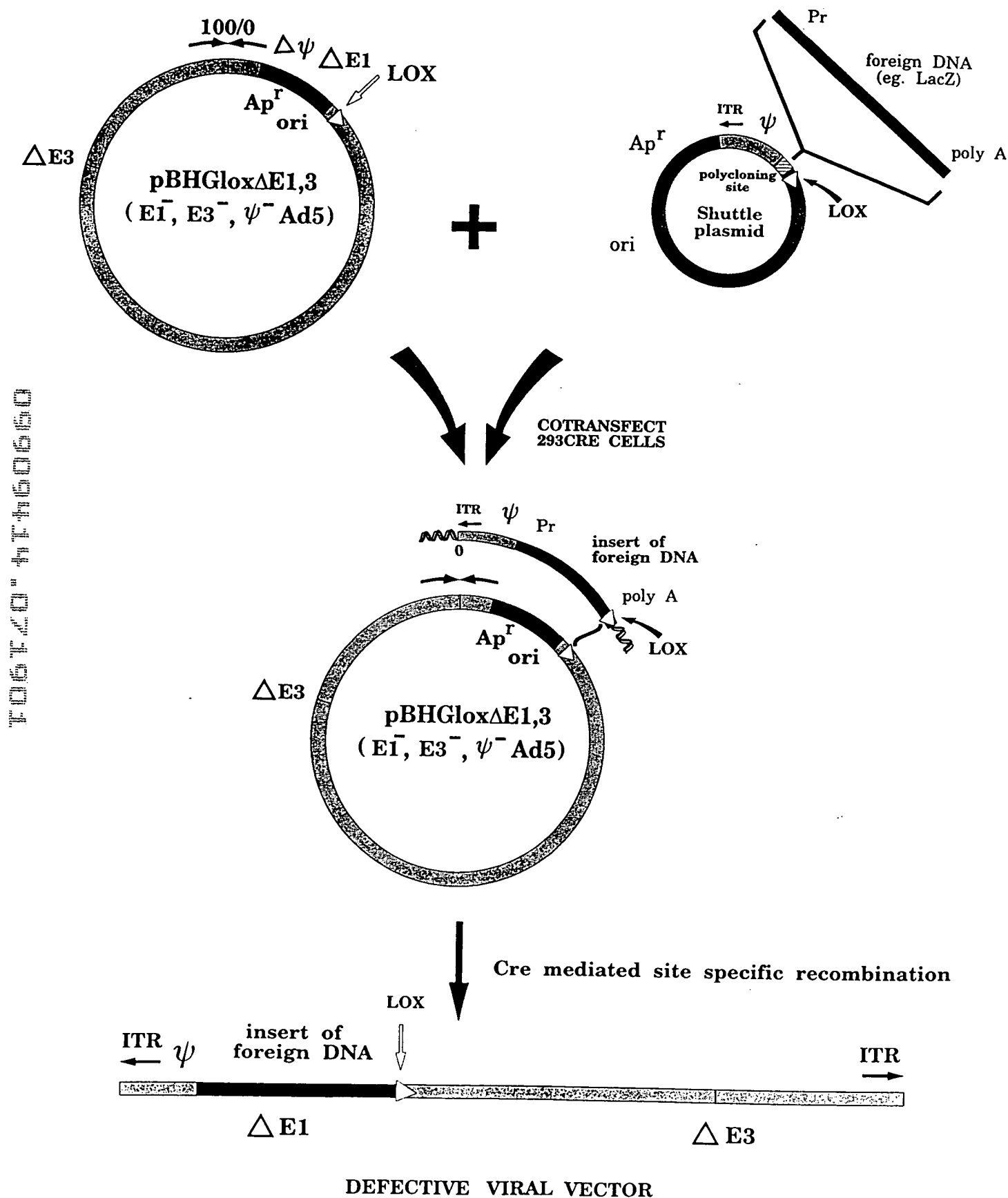


Figure 1

# Cotransfection of 293Cre cells with pBHGloxΔE1,3 and a "lox" shuttle plasmid for generation of Ad expression vectors

FO6T20"4T460660

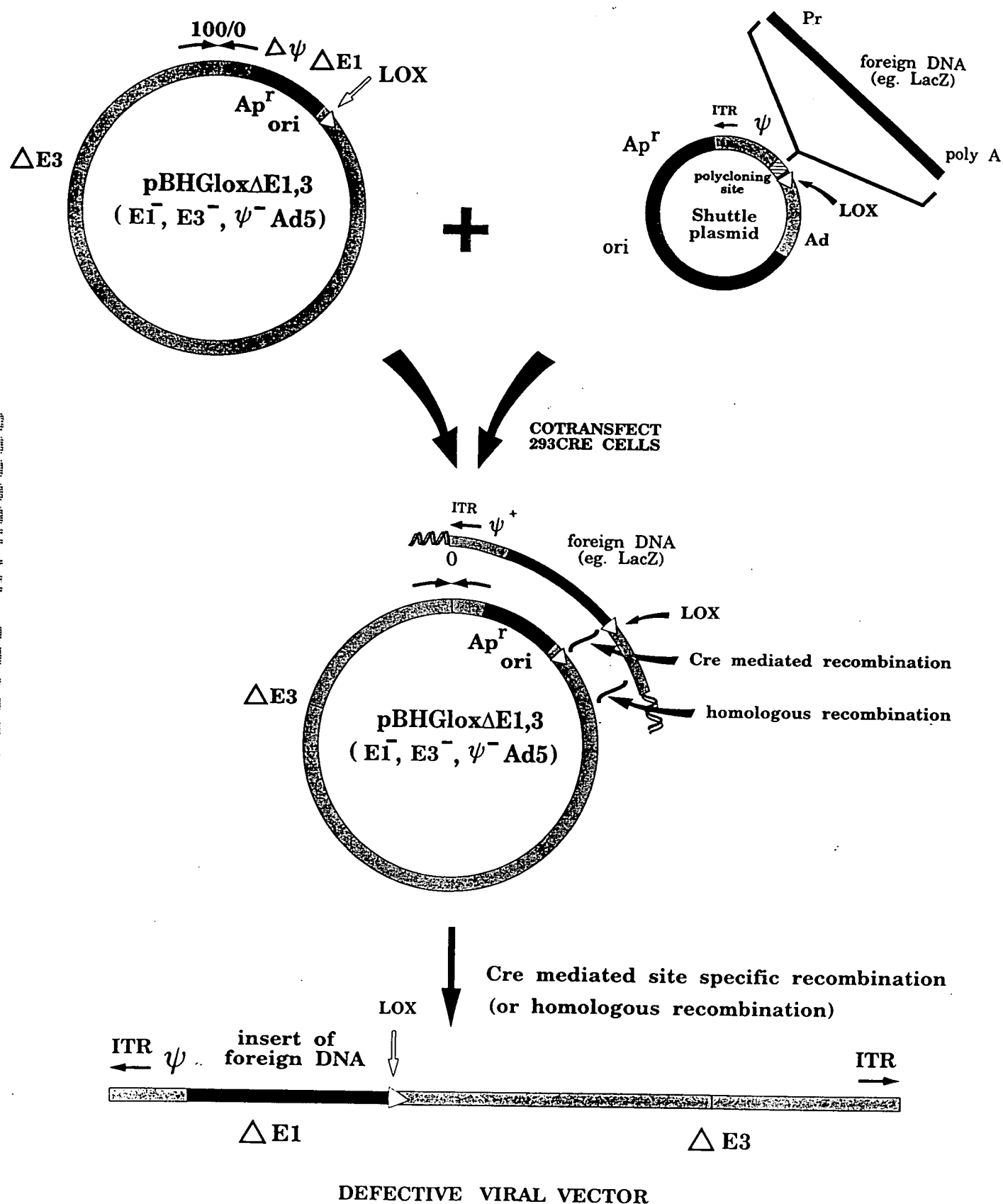


Figure 2

099011-02

## loxP linker Sequences

SEQ ID NO: 1 <sup>loxP site</sup> (AB3233)

Seq ID NO: 2 (AB3234)

SEQ ID NO: 3 (AB14626)


  
 5' AATTCCCCGGGAGATCTAAGCTTGAGCTCG 3'
   
 3' GGGGCCCTCTAGATTCGAAGCTCGAGCAGCT 5'


SEQ ID NO: 4 (AB14627)

SEQ ID NO: 5 (AB6920)

5' CTAGCAATAACTTCGTATAGCATAATTATACGAAGTTATATCGATG 3' ✓  
 ↗ 3' GTTATTGAAGCATATCGTATGTAATATGCTTCAATATAGCTACGATC 5'

SEQ ID NO: 6 (AB6921)

SEQ ID NO: 7 (AB14680)

5' TGACAATAACTTCGTATAGCATACATTATACGAAGTTATATCGATG 3'   
3' GTTATTGAAGCATATCGTATGTAATATGCTTCAATATAGCTACACT 5'

SEQ ID NO: 8 (AB14681)

# CONSTRUCTION OF A CIRCULAR GENOMIC PLASMID FOR Ad VECTOR RESCUE USING THE Cre/ loxP SYSTEM

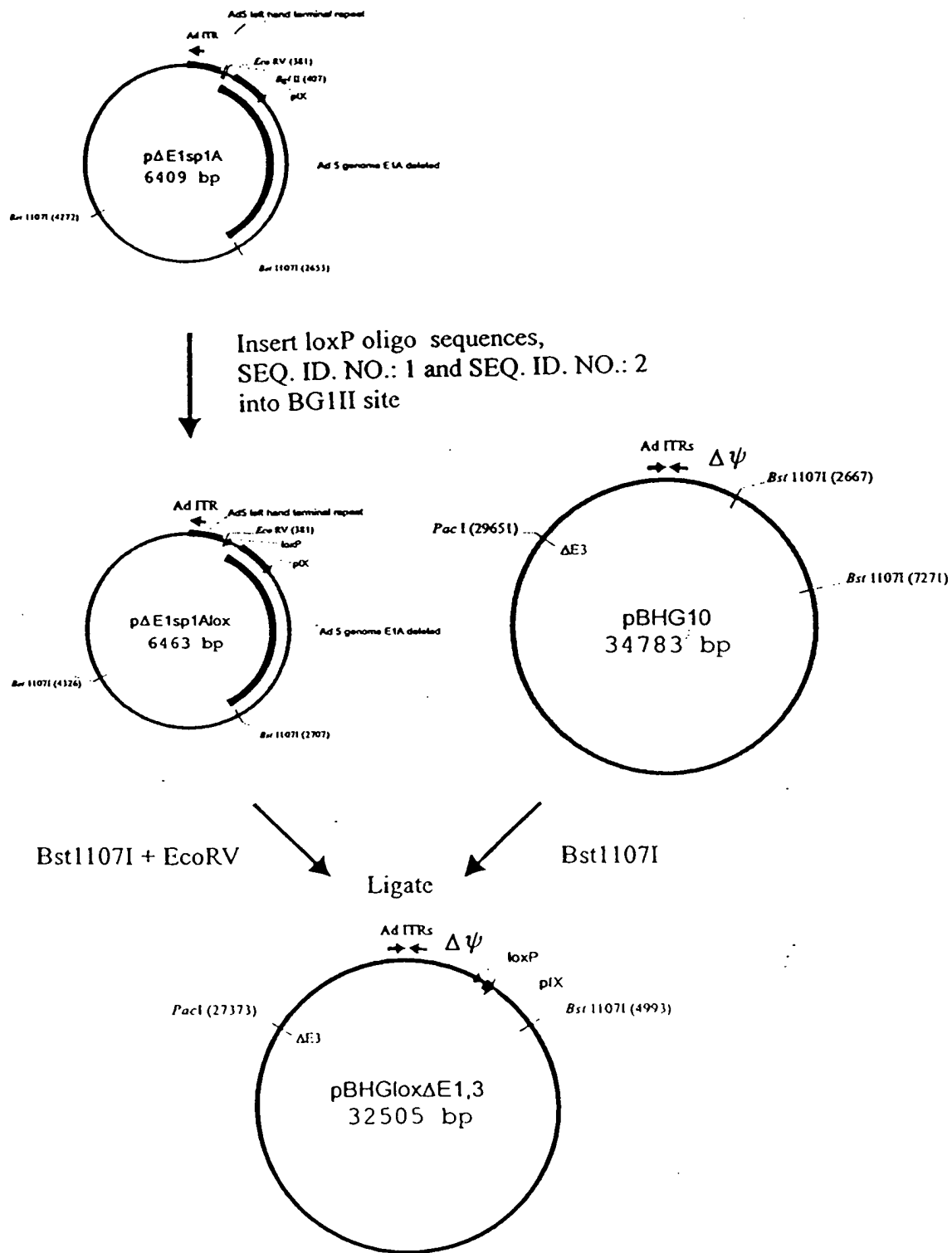


Figure 4A

FOOT-20-4746660

# CONSTRUCTION OF pBHGD1Plox

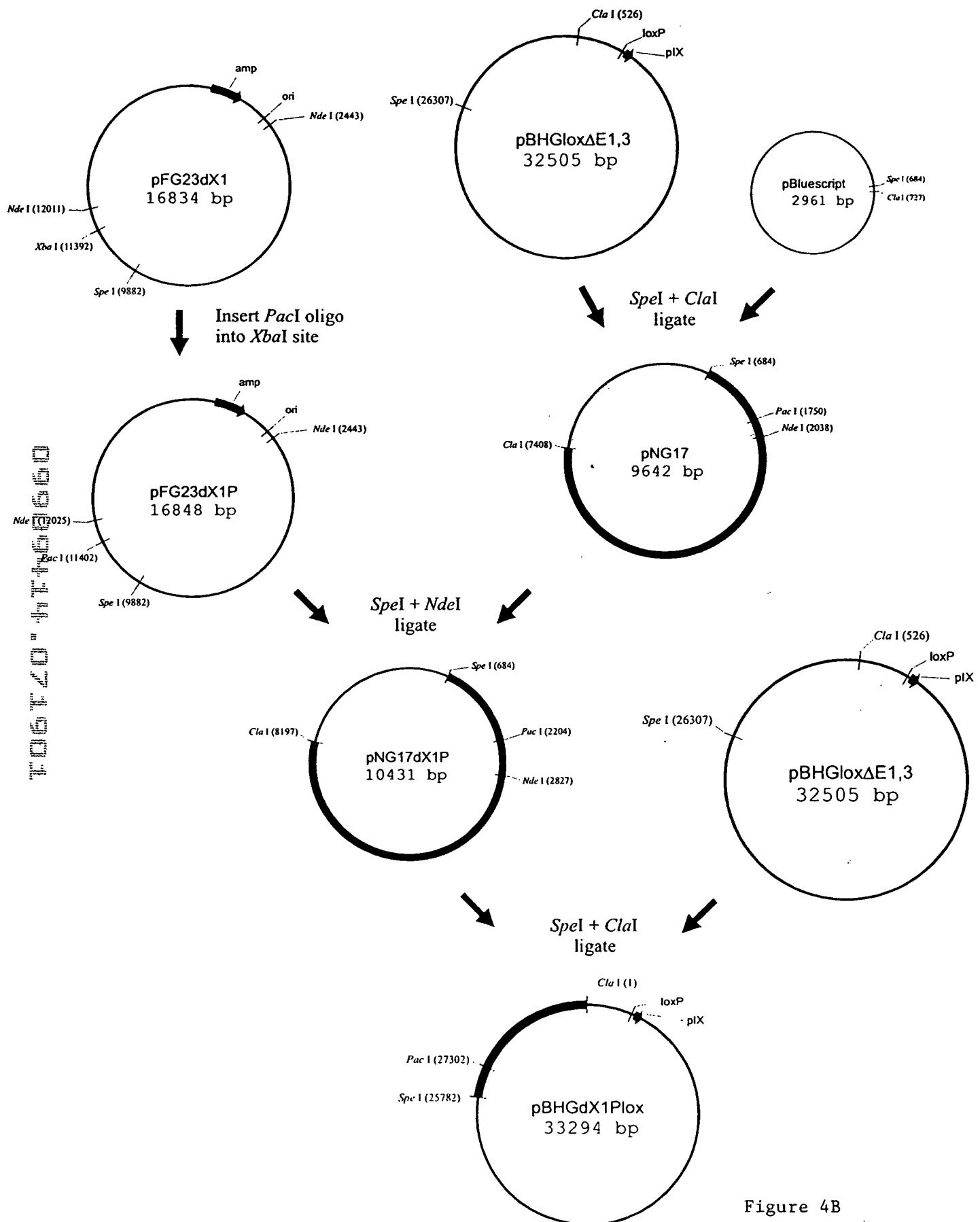


Figure 4B

# CONSTRUCTION OF pBHGE3lox

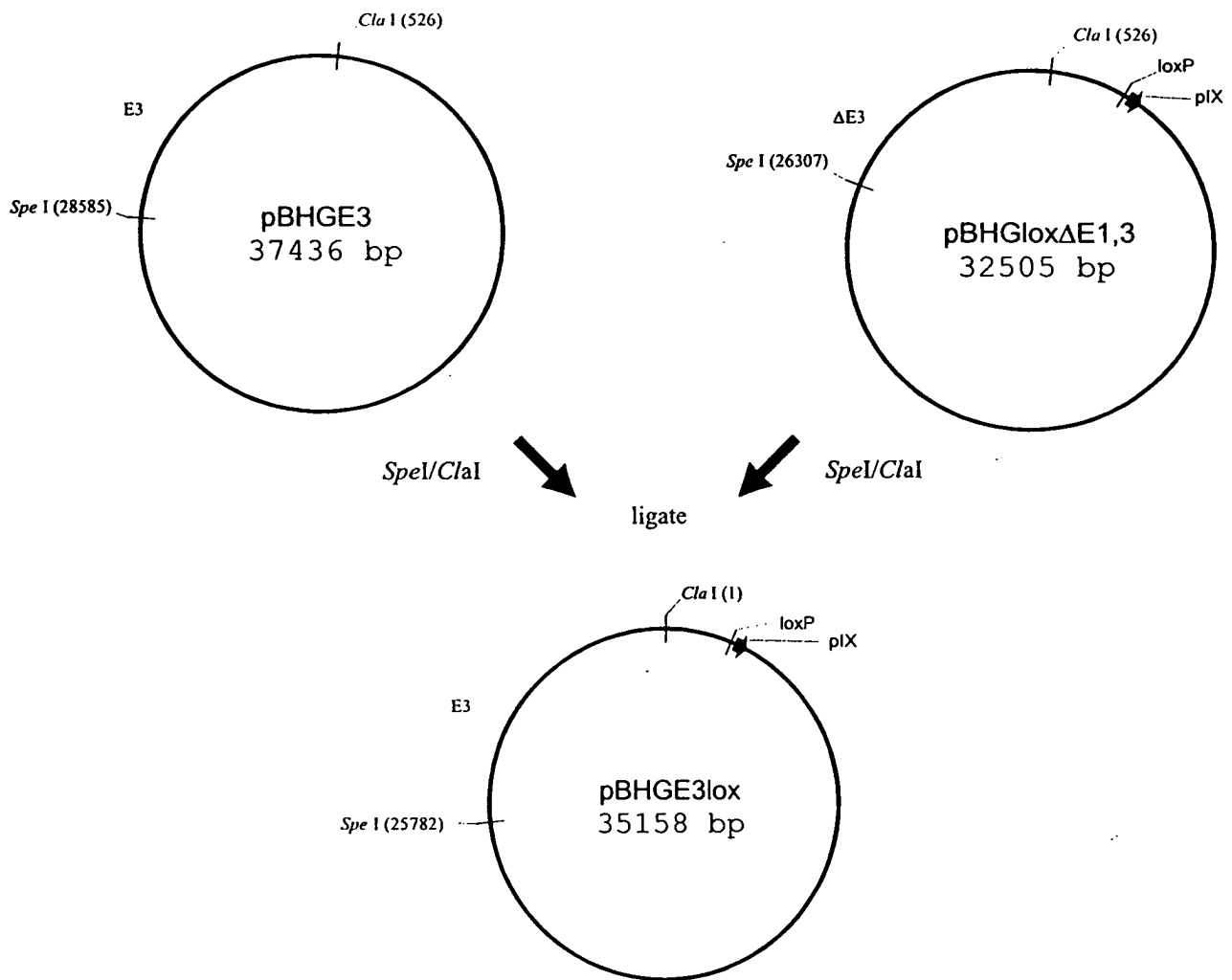


Figure 4C

090644-0100

# CONSTRUCTION OF pΔE1SP1A & pΔE1SP1B loxP PLASMIDS FOR RESCUE OF FOREIGN DNA

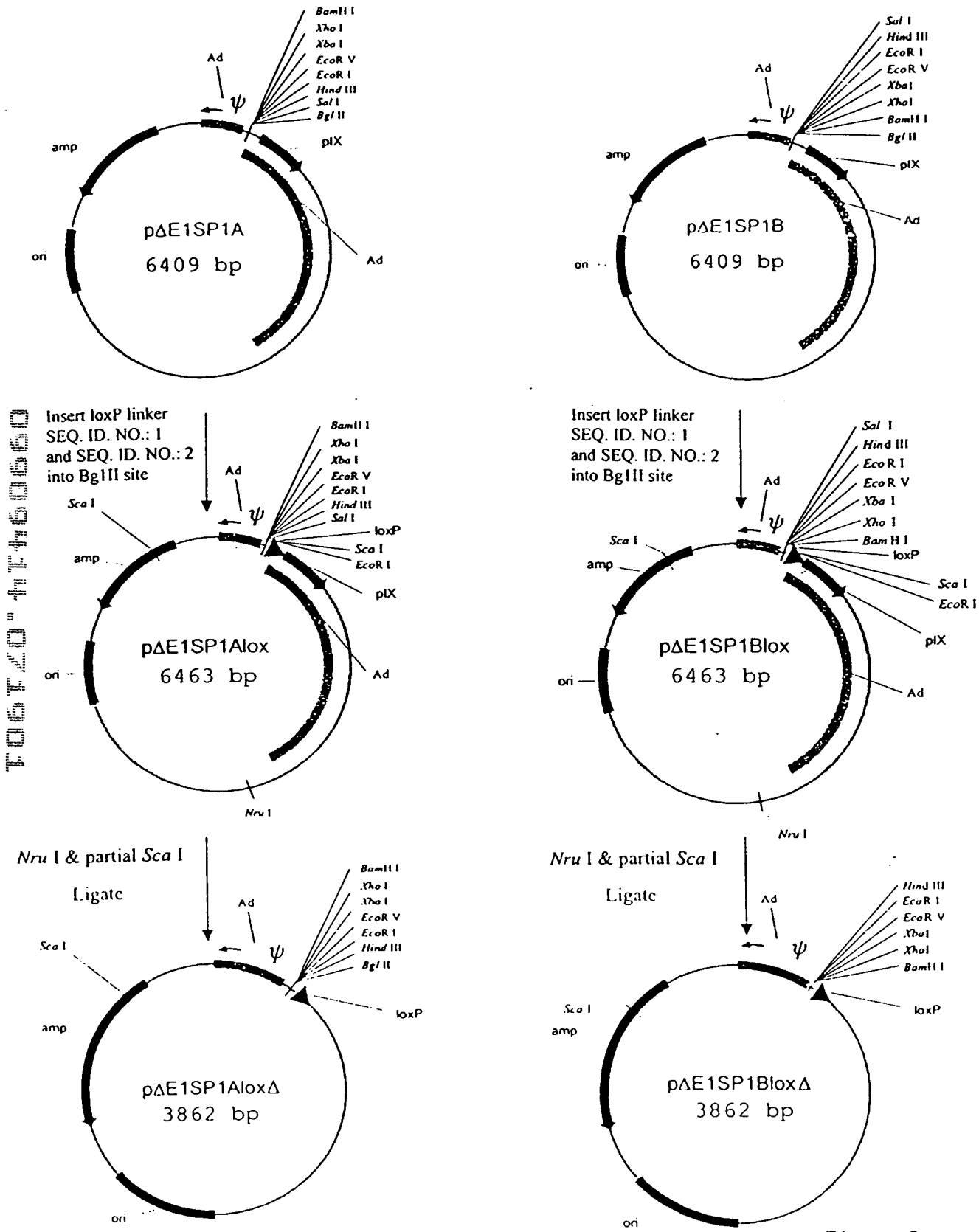
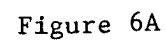


Figure 5

090941-071901





# CONSTRUCTION OF A SHUTTLE PLASMID CONTAINING A pUC DERIVED ORIGIN

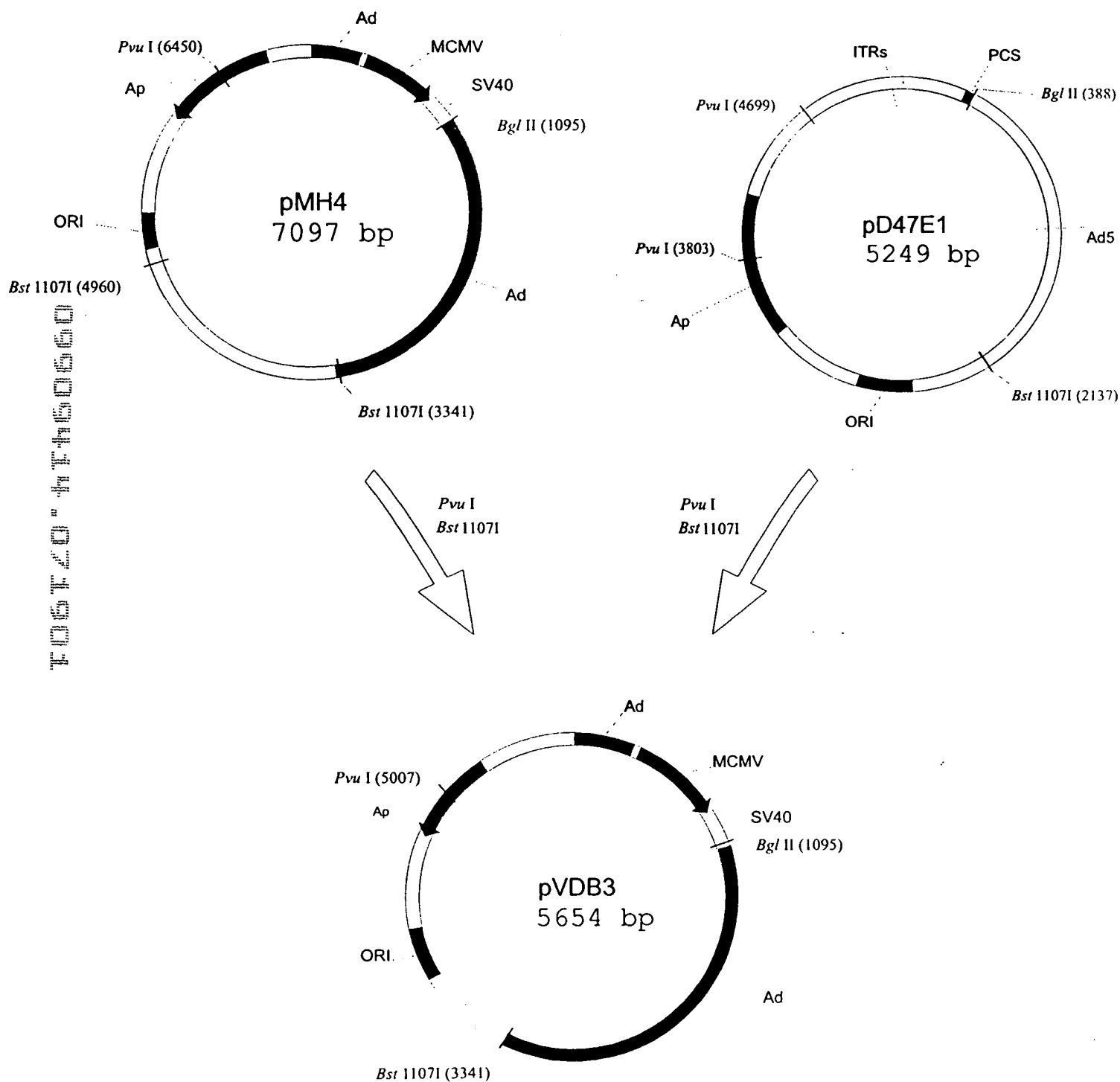


Figure 6B

# CONSTRUCTION OF HCMV loxP PLASMIDS FOR RESCUE OF EXPRESSION CASSETTES

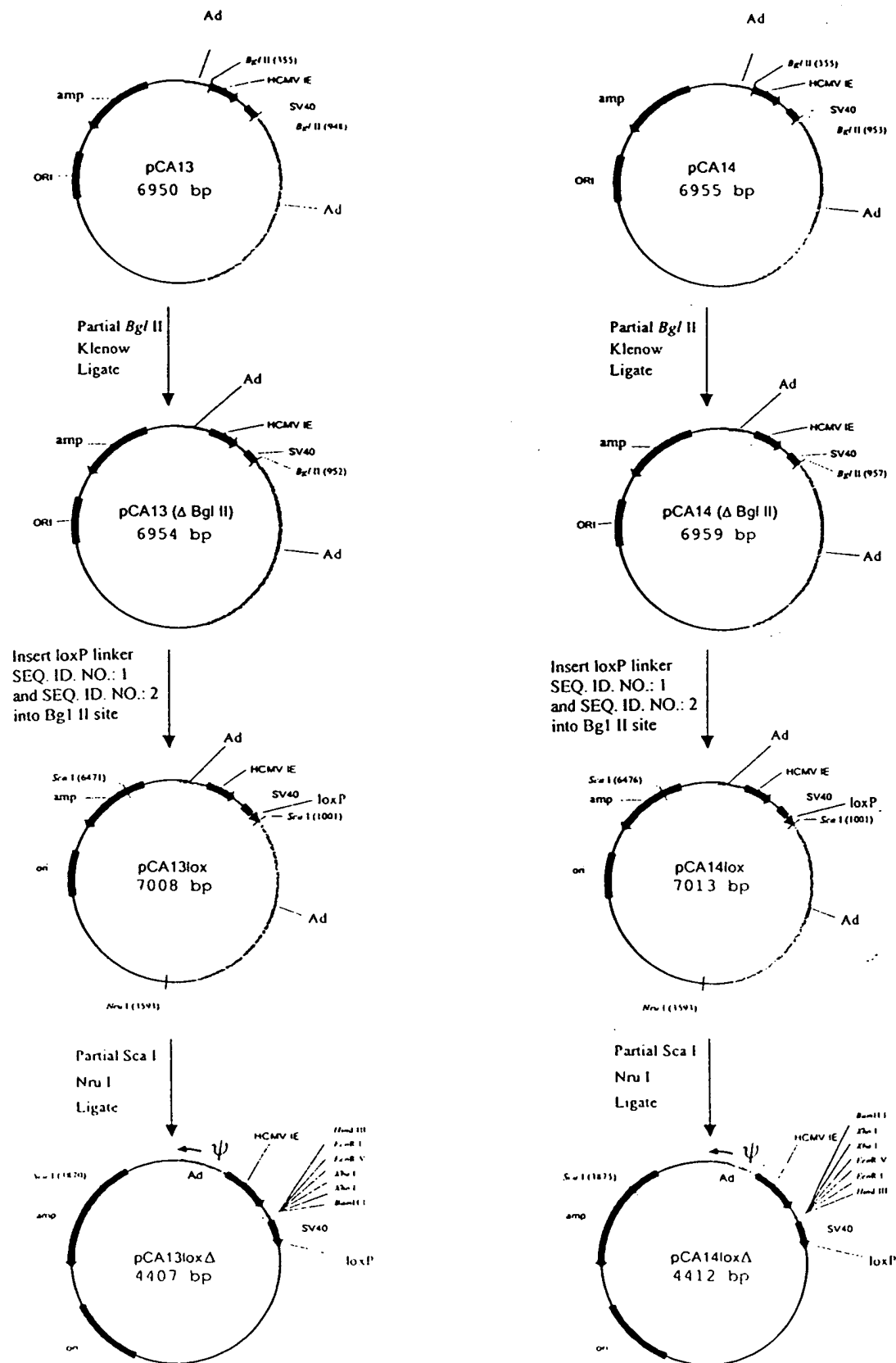


Figure 7

# CONSTRUCTION OF pCA36LOX and pCA36LOX $\Delta$ SHUTTLE PLASMIDS FOR RESCUE OF LACZ

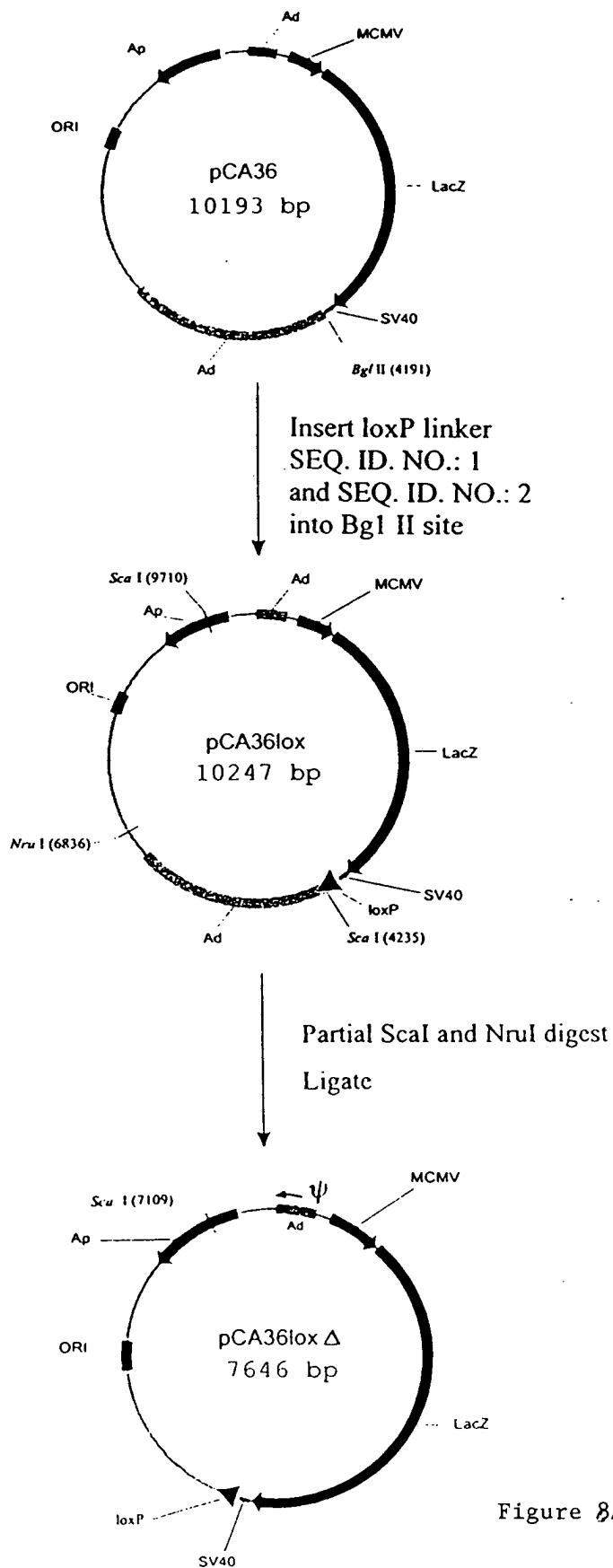


Figure 8A

44460660

**Cotransfection of 293Cre cells with AdLC8c DNA-TP and a shuttle plasmid containing a loxP site for generation of Ad expression vectors**

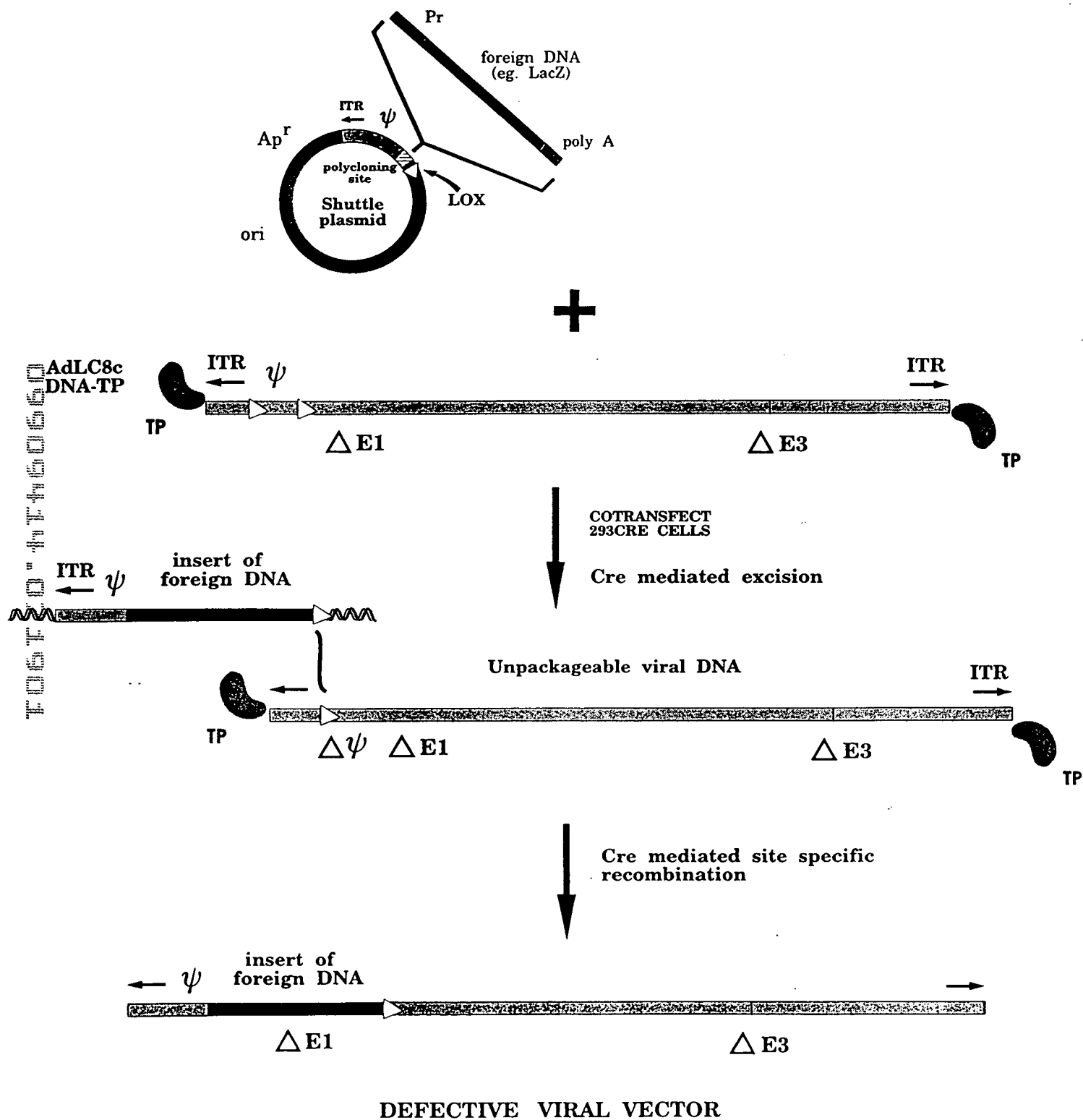


Figure 8B

**Cotransfection of 293Cre cells with restricted AdLC8c DNA-TP and loxP shuttle plasmid for generation of Ad expression vectors**

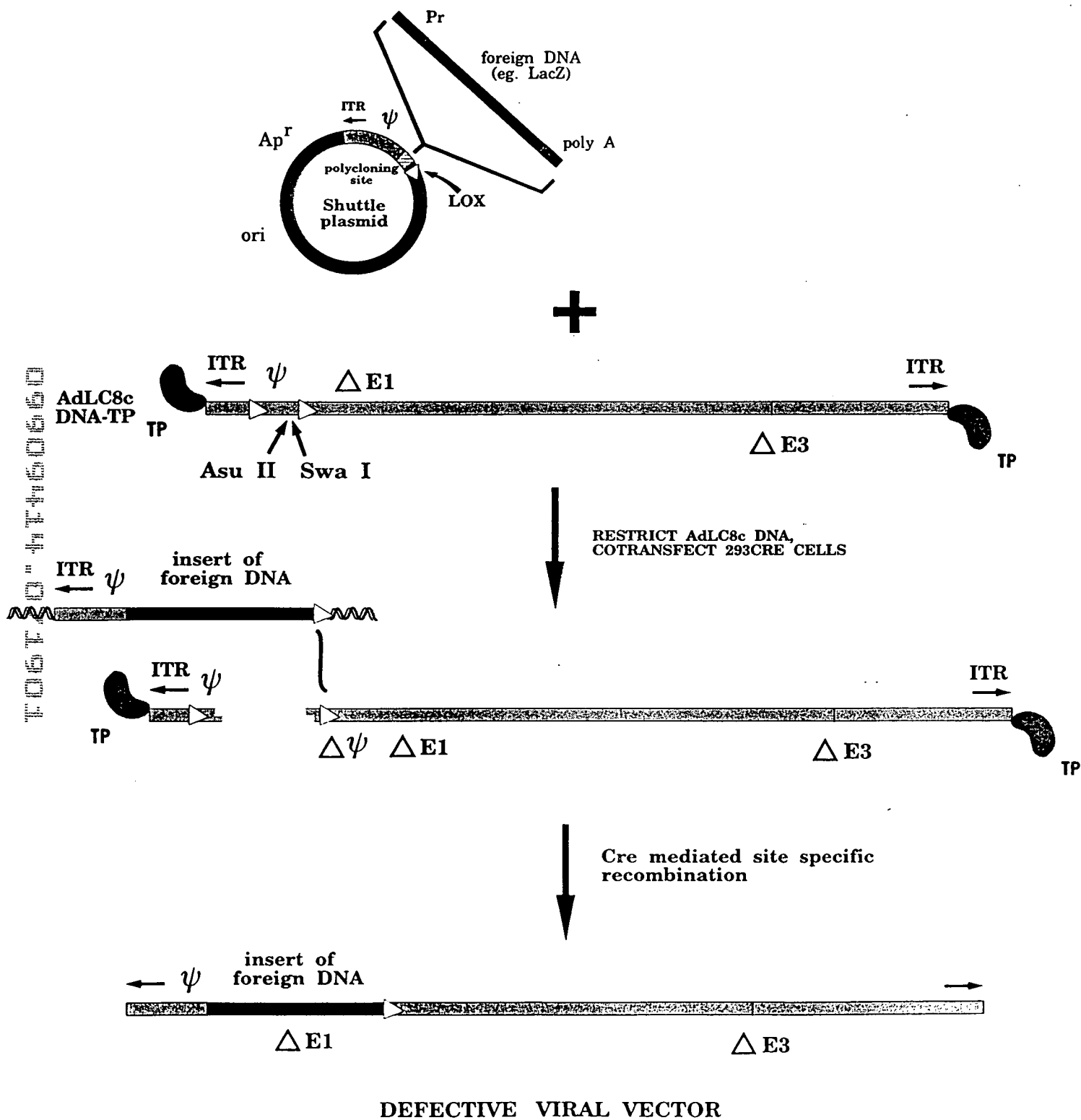


Figure 8C

# CONSTRUCTION OF SHUTTLE PLASMIDS EXPRESSING Cre

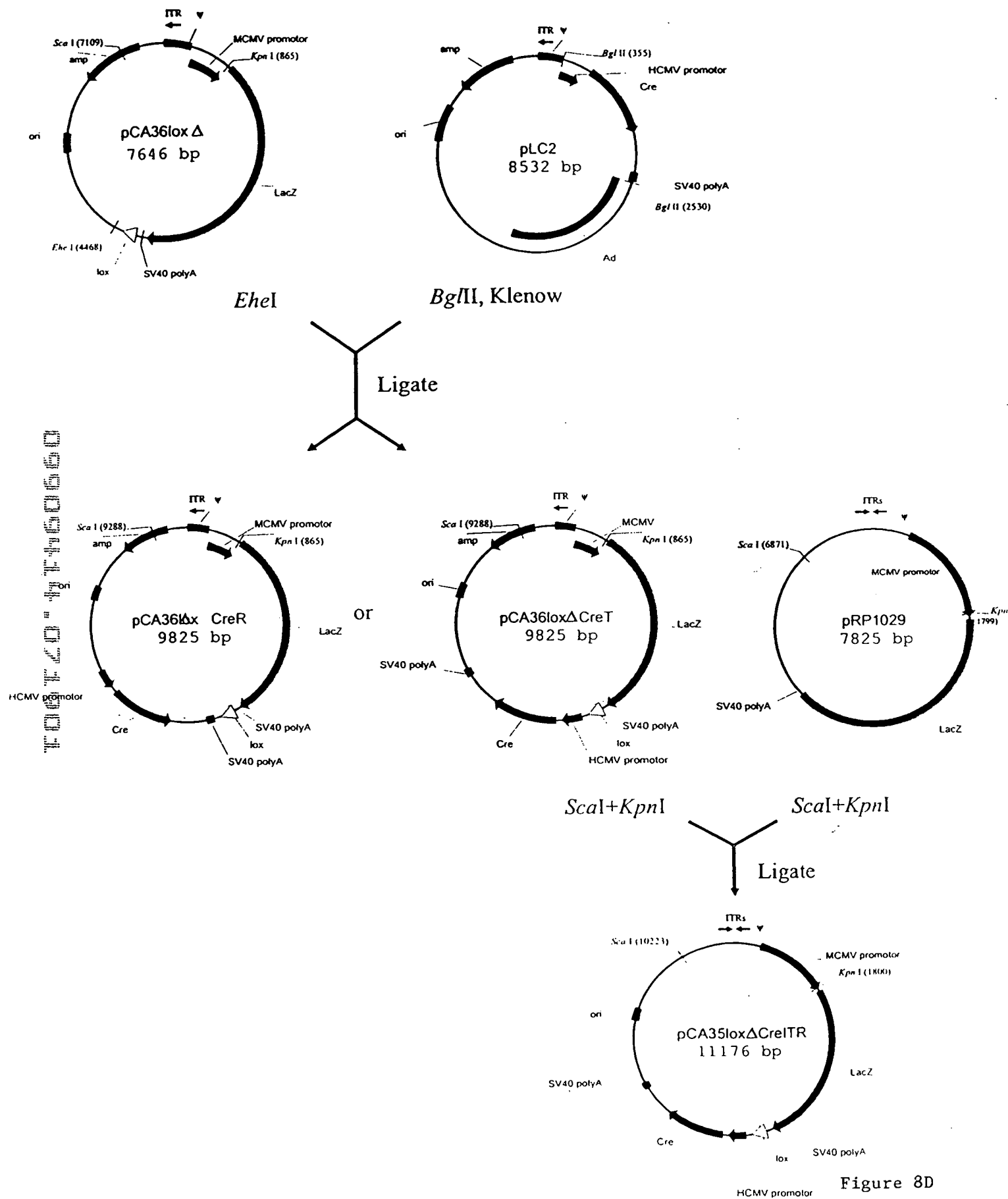


Figure 8D

# Cotransfection of 293 cells with pBHGloxΔE1,3 and a "Lox" shuttle plasmid expressing Cre for generation of Ad expression vectors

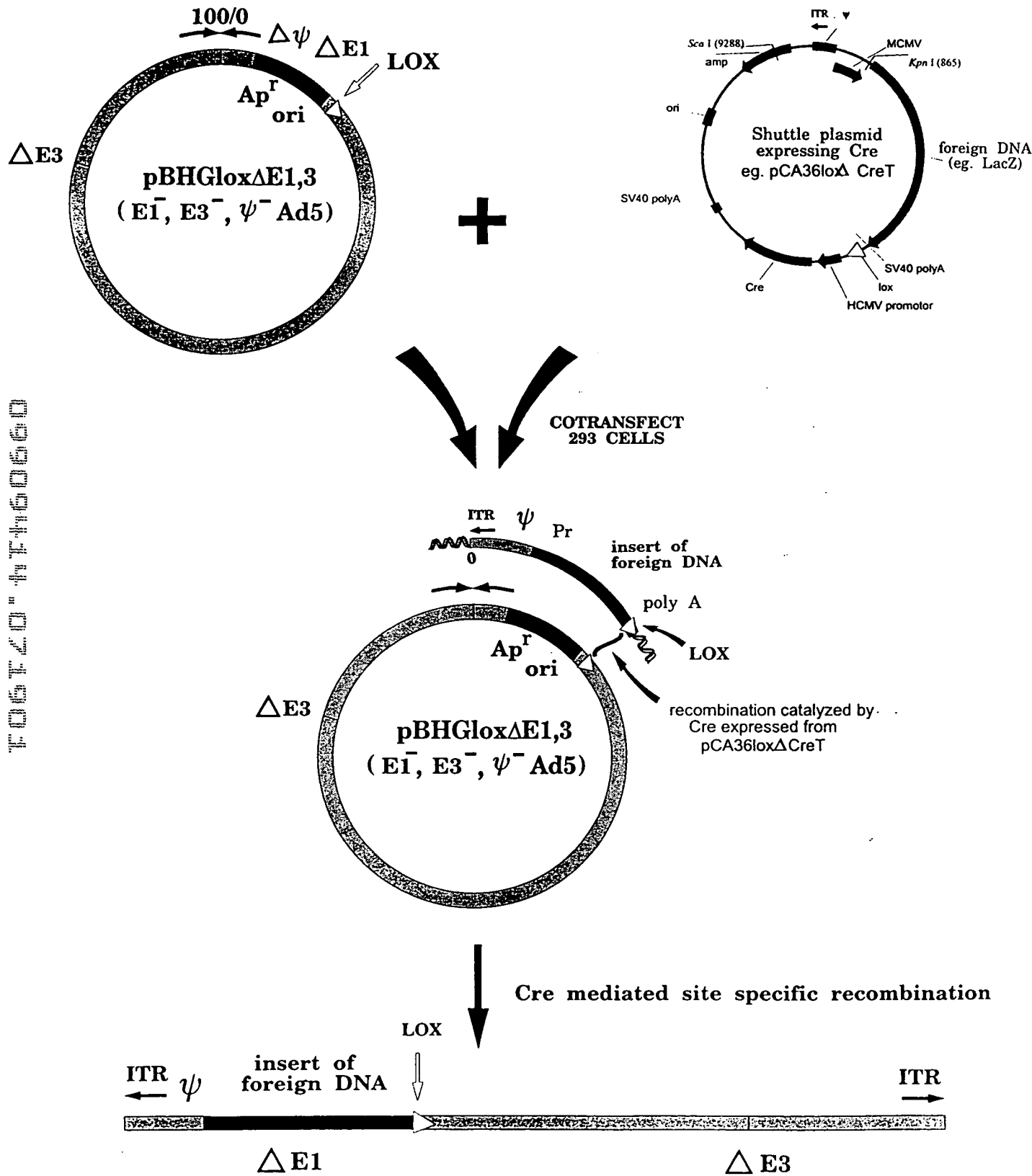
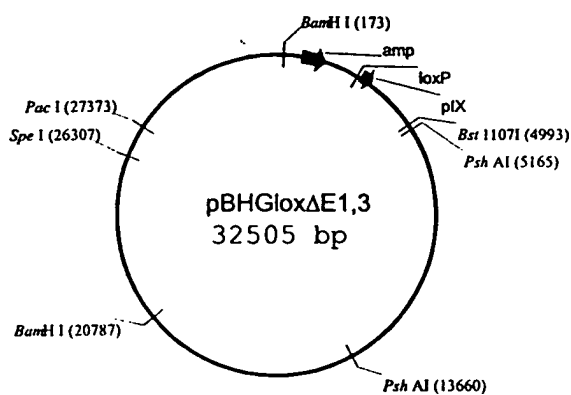
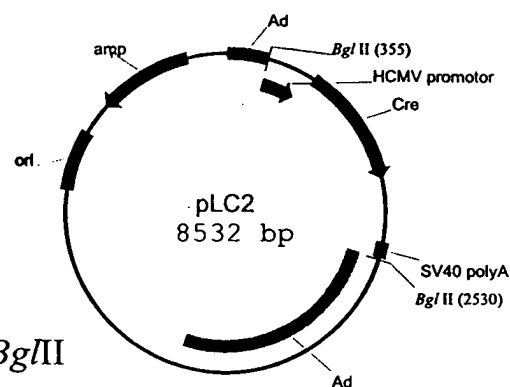
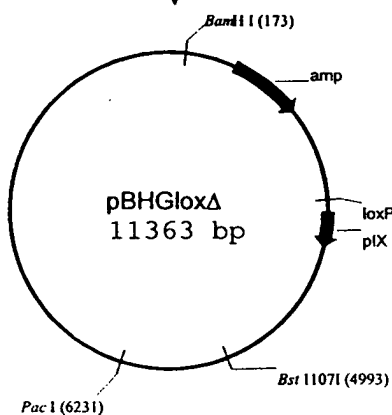


Figure 8E

# CONSTRUCTION OF Ad GENOMIC PLASMID ENCODING CRE



↓ *Spe*I, Klenow + *Psh*AI, ligate

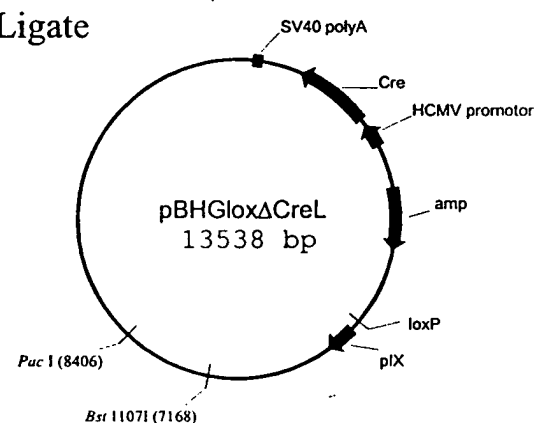
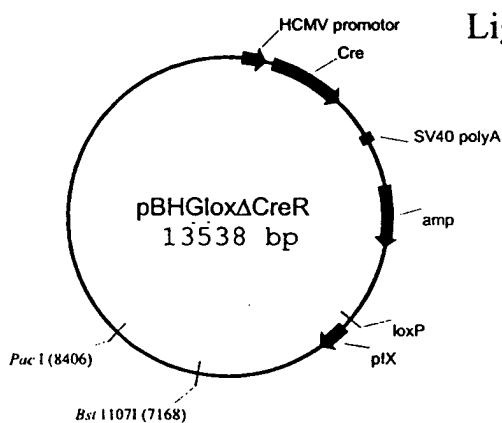


*Bam*HI

*Bgl*II

Ligate

Ligate



Insert 22380 bp *Bst*11071/*Pac*I fragment from pBHGloxΔE1,3

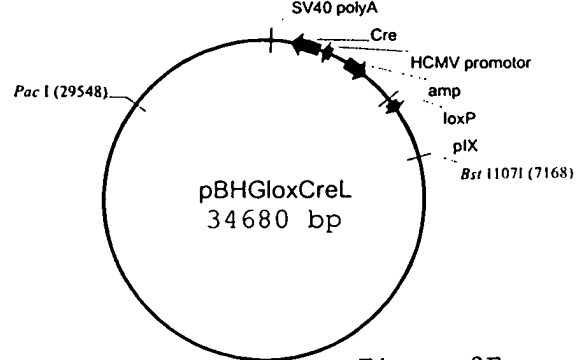
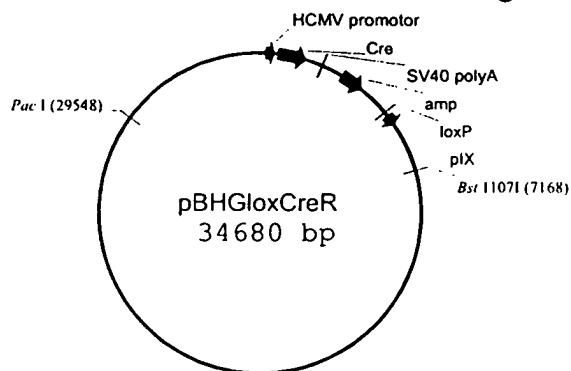
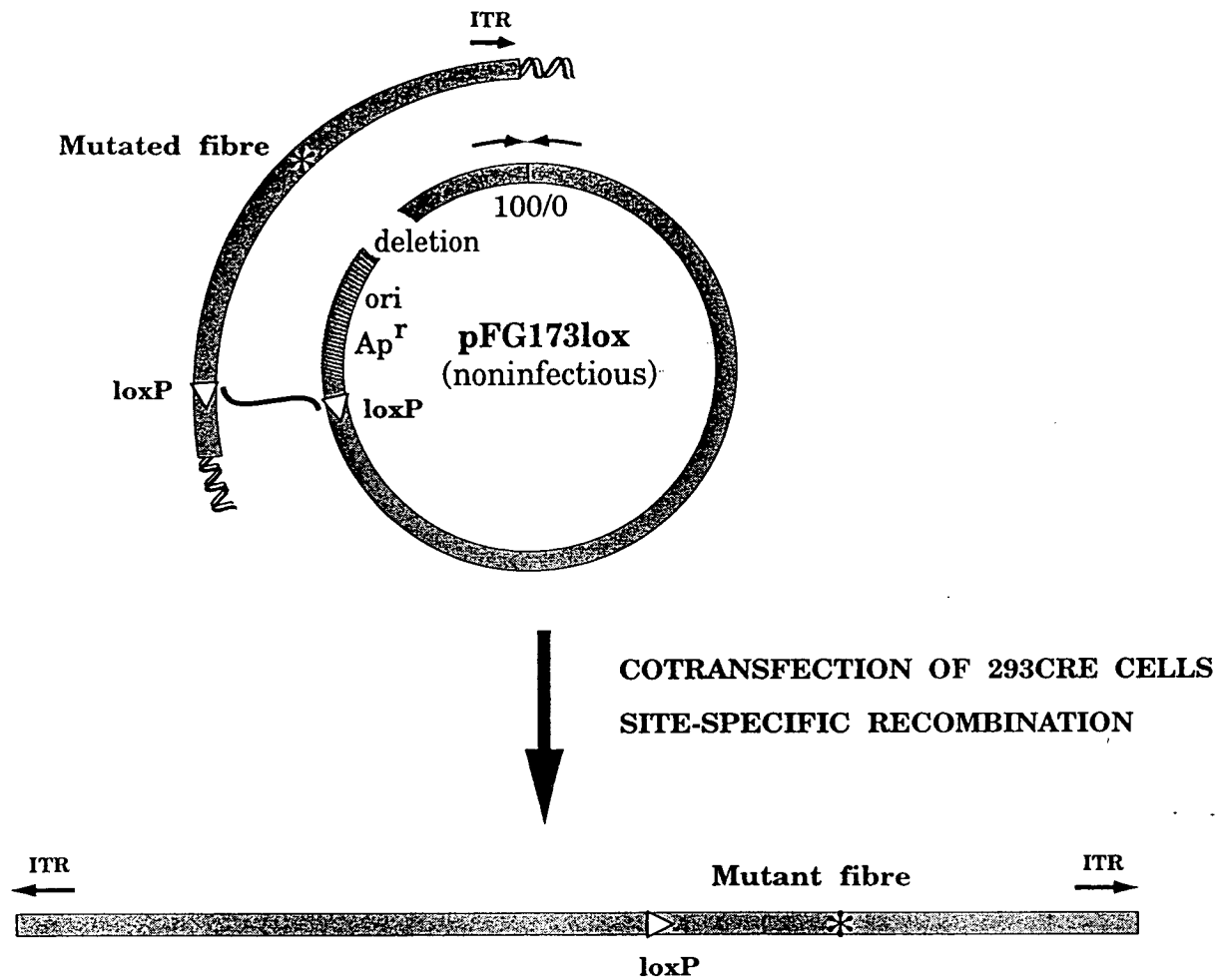


Figure 8F



# RESCUE OF FIBRE MUTATIONS USING CRE/LOX RECOMBINATION



NONDEFECTIVE ( $E1^+$ ) VIRUS WITH MUTATED FIBRE GENE

Figure 9A

# CONSTRUCTION OF pAB14lox $\Delta$

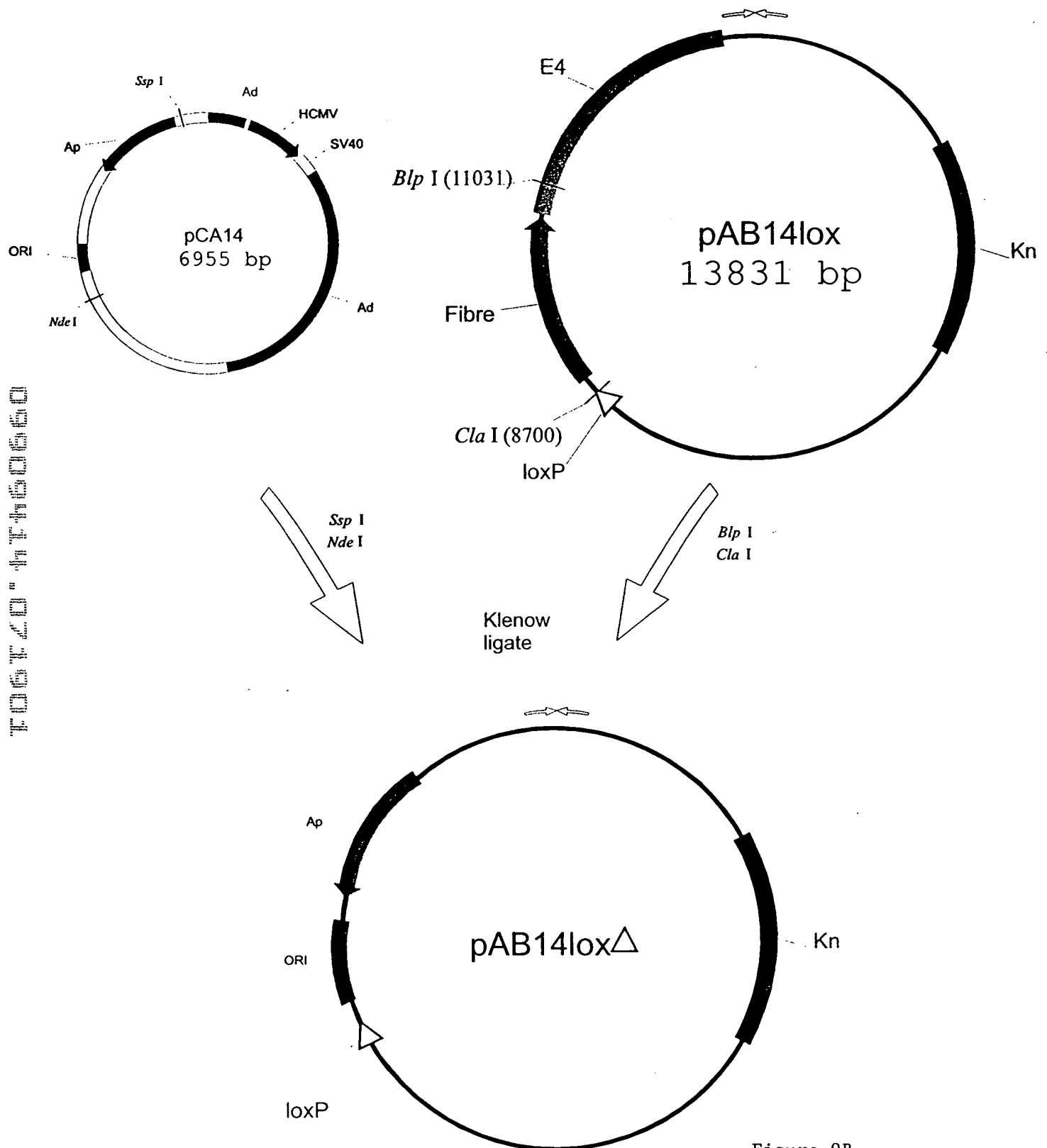
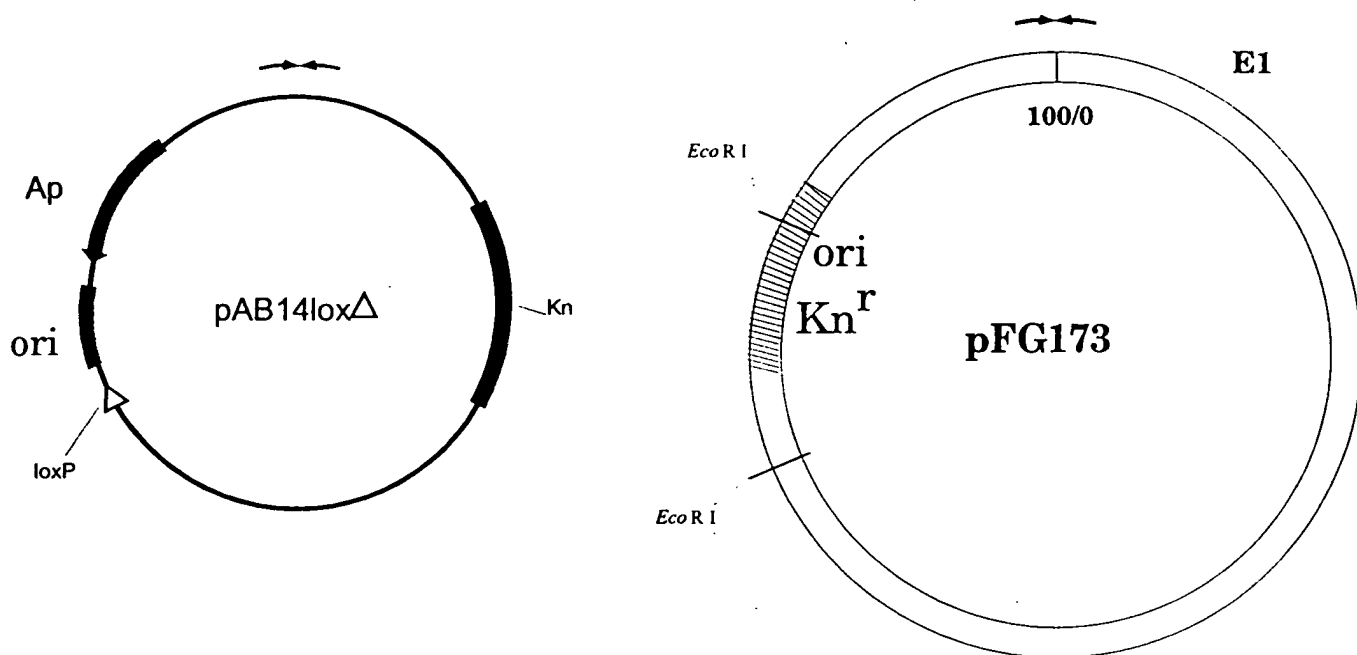


Figure 9B

# CONSTRUCTION OF pFG173lox



Restriction, transformation of *E. coli*,  
homologous recombination

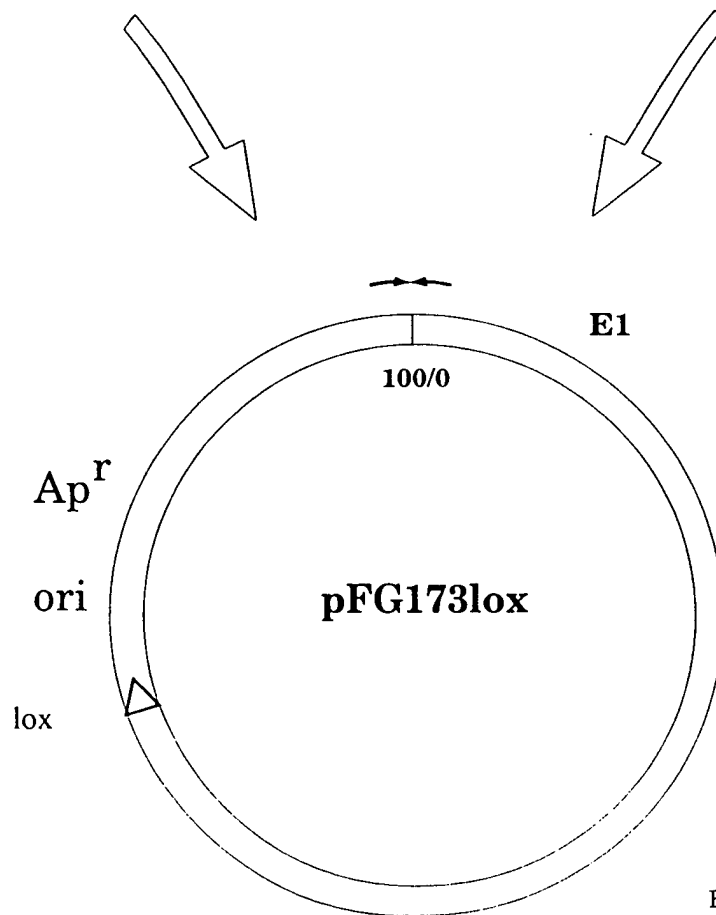


Figure 9C

096044-071934  
FOBT-20-4T60660

# CONSTRUCTION OF pFG23dX1lox AND pFG23dX1loxc FOR RESCUE OF MUTANT FIBRE INTO AD VIRUS

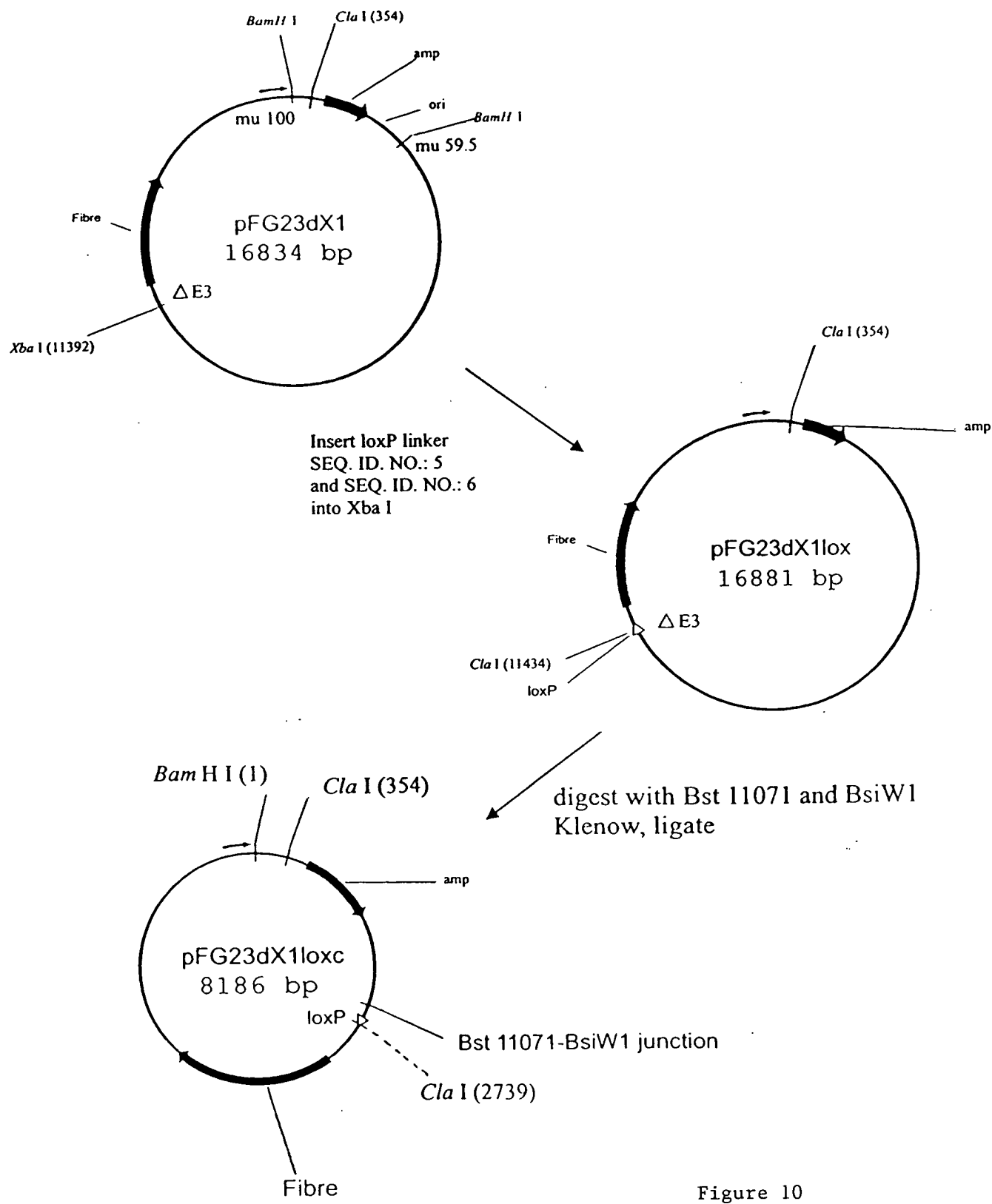


Figure 10

# A PLASMID FOR RESCUE OF A FOREIGN DNA INTO AD VIRUS

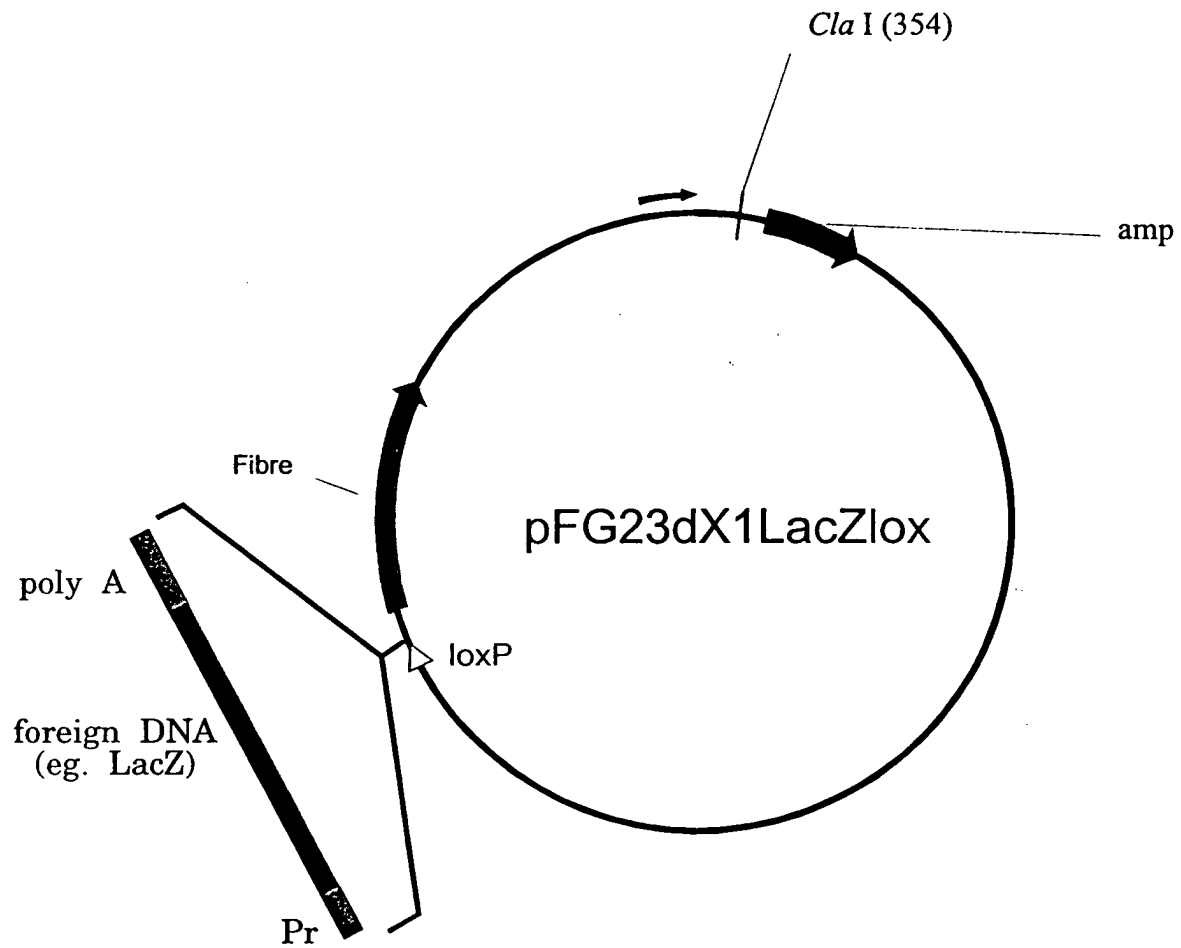
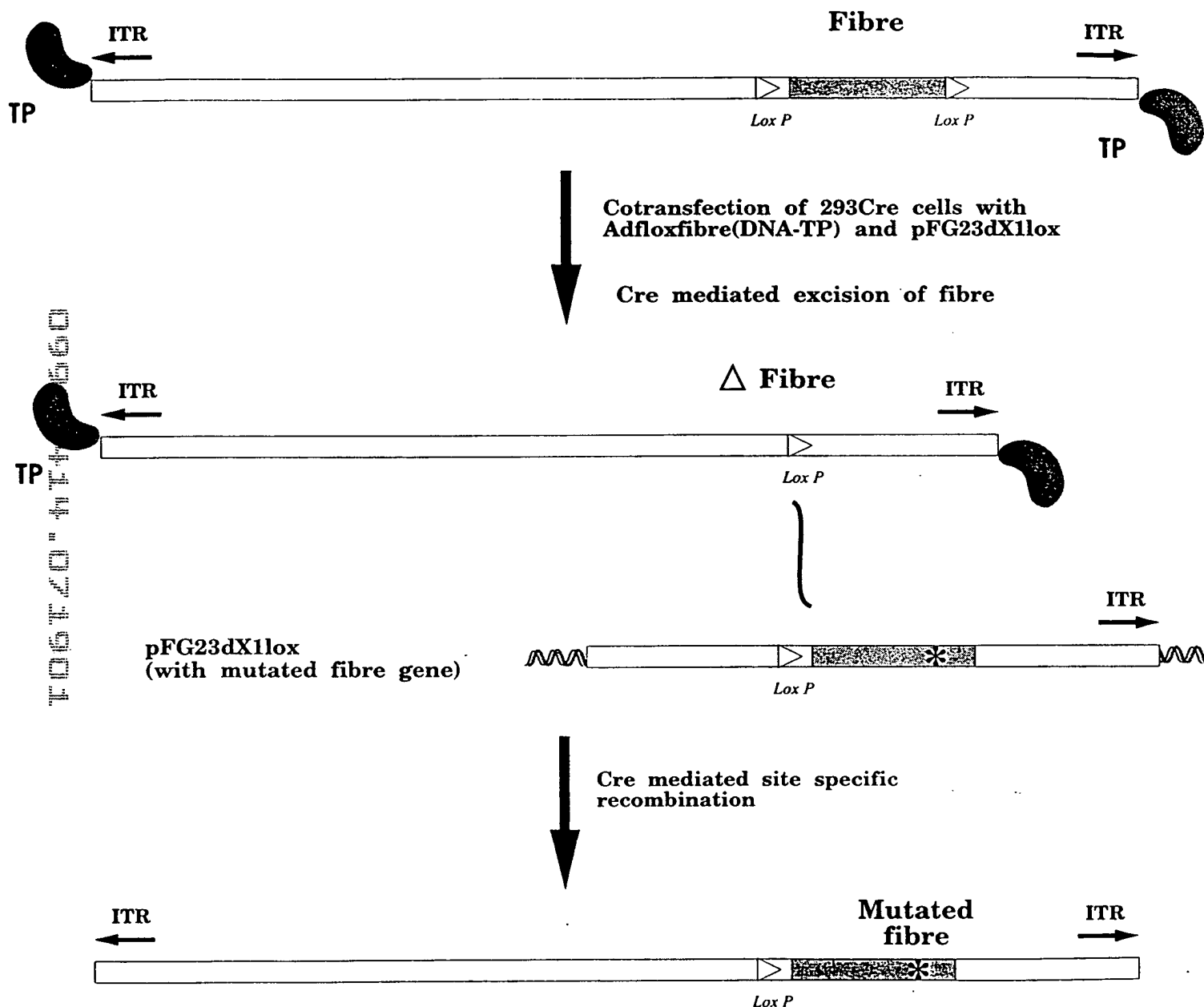


Figure 11

# Isolation of a virus containing a mutant fibre gene by Cre-lox recombination using DNA-TP and cotransfection



RECOMBINANT VIRUS CONTAINING A MUTATED FIBRE GENE

Figure 12

# Isolation of a virus containing a foreign DNA insert upstream of the fibre gene by Cre-lox recombination

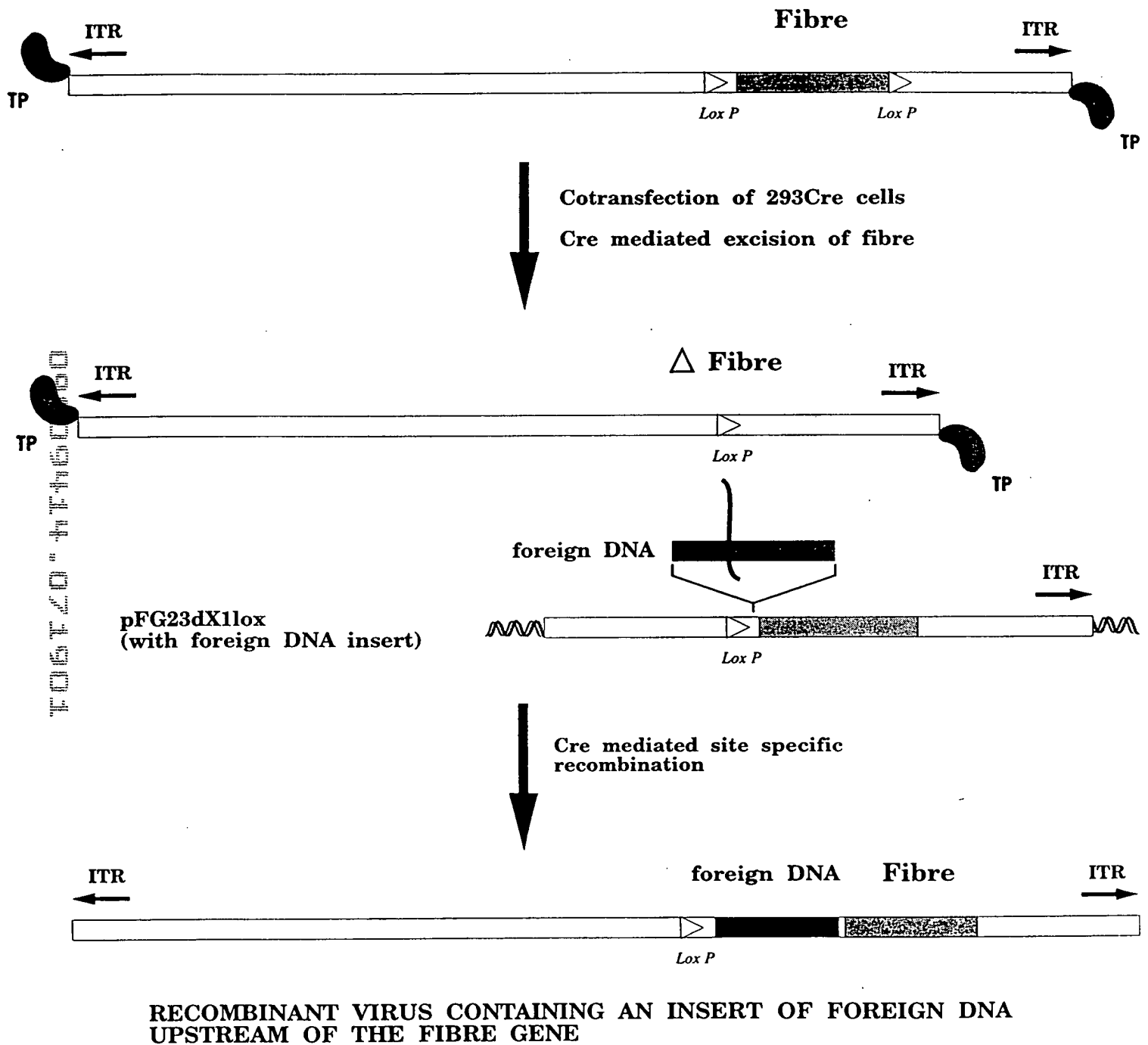


Figure 13

# CONSTRUCTION OF pAB14FL0X FOR ISOLATION OF AN AD VIRUS WITH A FLOXED FIBRE GENE

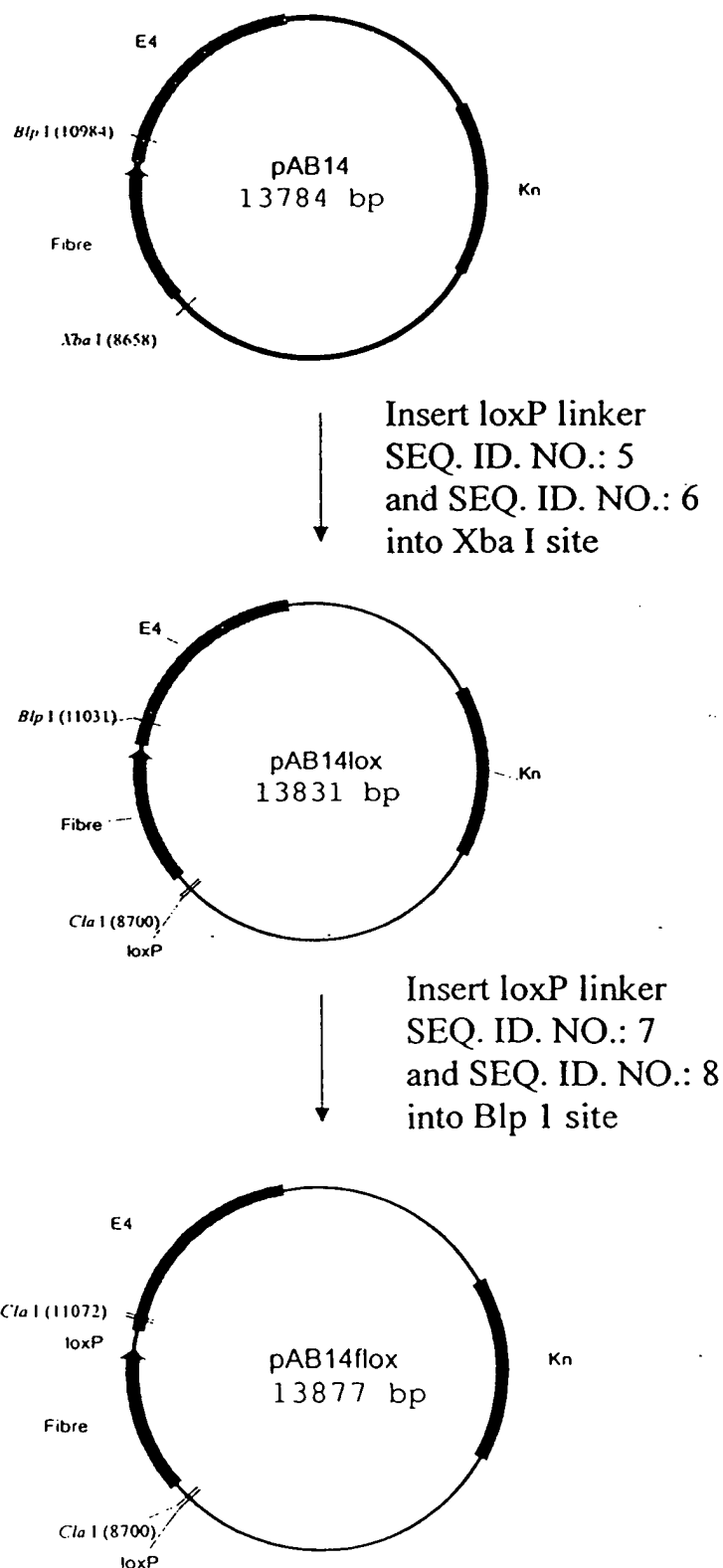


Figure 14



# Isolation of a virus containing a fibre gene with flanking lox P sites.

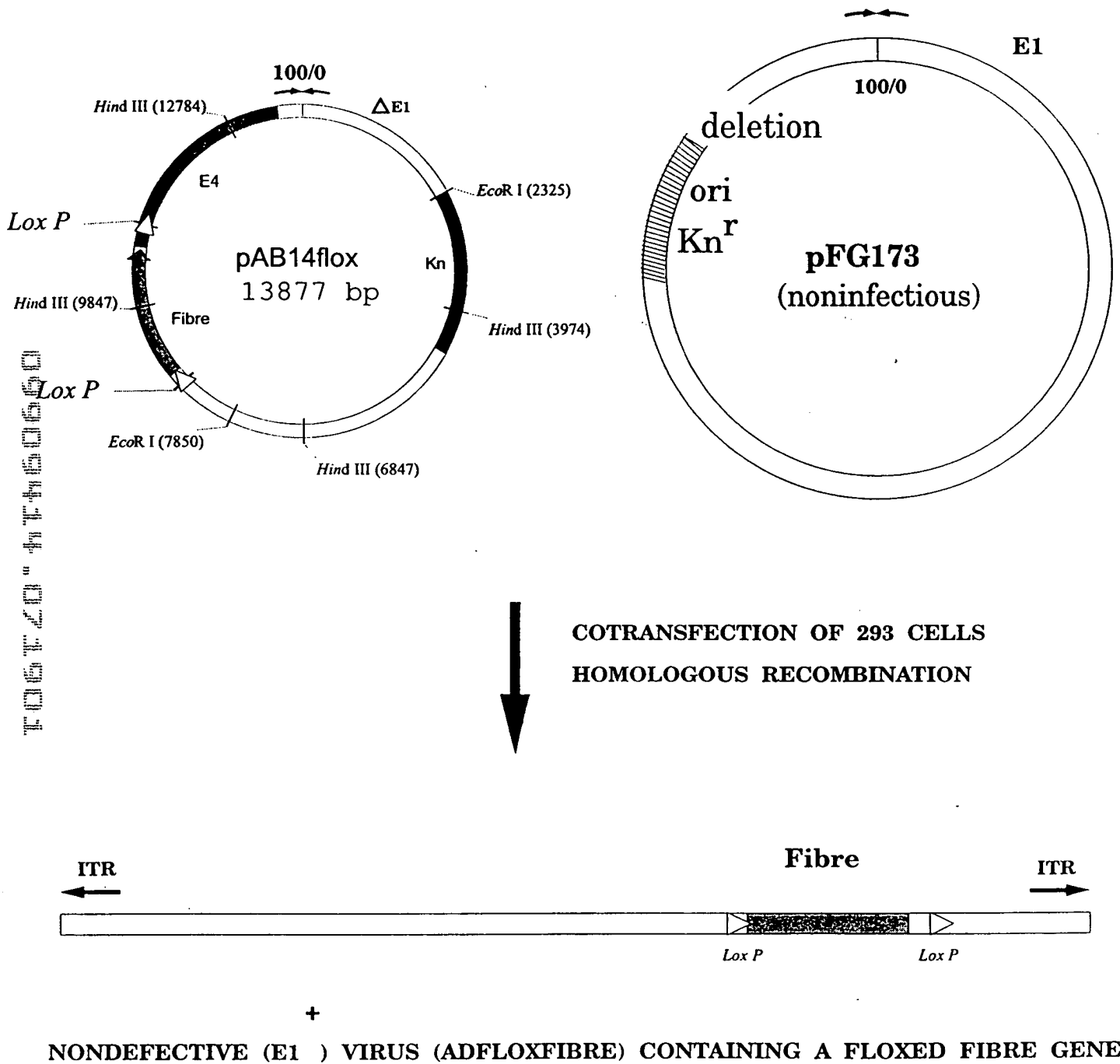


Figure 15